

## CLAIMS

1. A wound dressing for accelerating epidermal  
regeneration  
5       which comprises  
      a polypeptide (P) having at least one species of  
epidermal regeneration-accelerating minimal amino acid  
sequences (X) selected from the group consisting of the Arg  
Gly Asp sequence (1), the Ile Lys Val Ala Val sequence (2),  
10       and the Tyr Ile Gly Ser Arg sequence (3) and an auxiliary  
amino acid sequence (Y),  
      a polyalkylenepolyamine and/or polyarylenepolyamine  
(A) having a weight average molecular weight of 2,000 to  
60,000, and  
15       a sheet (S).
2. The wound dressing according to Claim 1  
      which has said epidermal regeneration-accelerating  
minimal amino acid sequence (X) in the number of 3 to 50 in  
20       each molecule of the polypeptide (P).
3. The wound dressing according to Claim 1 or 2  
      which has said auxiliary amino acid sequence (Y) in  
the number of 2 to 51 in each molecule of the polypeptide  
25       (P).
4. The wound dressing according to Claim 1  
      wherein the polypeptide (P) has a structure such that  
the epidermal regeneration-accelerating minimal amino acid  
30       sequence (X) and the auxiliary amino acid sequence (Y) are  
chemically bonded to each other in an alternating fashion.
5. The wound dressing according to Claim 1  
      wherein the epidermal regeneration-accelerating  
35       minimal amino acid sequence (X) is the Arg Gly Asp sequence

(1).

6. The wound dressing according to Claim 1  
wherein the auxiliary amino acid sequence (Y) is the  
5 (Gly Ala Gly Ala Gly Ser)<sub>b</sub> sequence (in the sequence, b is  
an integer of 2 to 33).

7. The wound dressing according to Claim 1  
wherein the polyalkylenepolyamine and/or  
10 polyarylenepolyamine (A) is a polyethyleneimine.

8. A method for epidermal regeneration treatment  
which comprises using the wound dressing according to  
Claim 1.

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